

Umbarger Dam and Buffalo Lake

OWNER

U.S. Department of Interior, Fish and Wildlife Service.

ENGINEER

U.S. Department of Agriculture, Soil Conservation Service.

LOCATION

On Tierra Blanca Creek in Randall County, 2 miles south of Umbarger.

DRAINAGE AREA

2,075 square miles, of which 1,500 square miles is probably noncontributing.

DAM

Type	Earthfill
Length	882 ft
Maximum height	37 ft
Top width	16 ft
Top elevation	3,662.4 ft above msl

SPILLWAY

Type	Concrete ogee
Control	None
Crest elevation	3,642.6 ft above msl
Crest length (circular shape)	200 ft

OUTLET WORKS

Type	Concrete conduit, 4 by 5 ft
Invert elevation	3,612.8 ft above msl
Control	Gate operated from a tower

STATE AUTHORIZATION

Permit No. 1258 (Application No. 1343), January 20, 1938, to the United States of America authorizes impoundment of 18,121 acre-feet of water for recreation purposes.

RESERVOIR DATA (Based on 1937 survey by U.S. Soil Conservation Service)

Capacity	18,150 acre-feet at elevation 3,642.6 ft above msl
Area	1,900 acres at elevation 3,642.6 ft above msl

GENERAL

Construction started	February 1938
Deliberate impoundment began	June 9, 1938
Project completed	June 15, 1938
General contractor	Federal Farm Securities Administration

